14

BRUHAT BANGALORE MAHANAGARA PALIKE

Dasarahalli Zone, Electrical Division

Detailed Estimate for Providing Electrical Maintenance and repair and Additional fixtures to BBMP Buildings in Dasarahalli Zone

Budget Head.....

Ward No. 14 **Estimate No.** 40/12-13. **For Rs.3,50,000.00**

Sl No	Description Of Work	Qty	Rate	Unit	Amount
	Part A:- Maintenance Work				
	KPWD (Civil) S.R.2010-11				
1	Electrification or wireman with wireman permit 1 person x Rs.169.12/day x 30 days Rs.5073.60/month x 12 months Rs.60883.20	1	60883.20	P/ Person	60883.20
2	Operator Light/Pump Vibrator/Grinder/ Air conditioner Rs.165=12/day/person (Weekly Once i.e 2days in a month X 12 month)	24	165.12	P/ Person	3962.88
	KPWD (Ele) S.R. 2010-11				
3 34/9	Supplying and fixing Moulded Case Circuit Breaker (MCCB) Over the existing wood/panel board using necessary screws, bolts, nuts and wiring thermal Magnetci Microprocessed release and Earth Fault as per IS-13947. (Icu=Ics) THREE POLE a) 100 Amps 25 kA,	1	3660.00	Each	3660.00
4 52/44	Releasing the existing FTL Fitting all capacities, checking, testing and installing at same place.	75	30.00	Each	2250.00
5 53/48	Supplying and fixing/replacing of flouresexcnt tube. a) 18 to 40 watts	50	65.00	Each	3250.00
6 46/20	Supplying of 20/40 Watts heavy duty open construction Ferromagnetic copper ballast for fluorescent tubes. a) Group A	65	240.00	Each	15600.00
7 54/52	Supply and fixing of 230 volts 20/40 watts starter for fluorescent lamp. a) Group A	95	18.00	Each	1710.00
8 54/53	Supply and fixing of 230 volts 20/40 watts fluorescent lamp holder	20	25.00	No	500.00
9 54/54	Supply and fixing of 230 volts CFL lamp holder a) 2Pin Holder	25	50.00	No	1250.00
10 47/21	Supply of Specital type lamps e) 9/11 Watts CFL	25	140.00	Each	3500.00
	h) 36 Watts CFL	45	190.00	Each	8550.00
11 51/37	Releasing the existing fan dismantling testing painting after removing the existing painting by scraping and cleaning (Spray method) to less than 2 coats of approved make enamel paint to a ceiling fan and wiring and fixing of the same.	15	245.00	Each	3675.00
12 51/35	Supplying and fixing/replacing condenser for ceiling fan/MV/SV/MH and other luminaries.a) Upto 4 mfd	10	82.00	Each	820.00
13 8/18	Supplying and fixing of modular switch/Scocket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate. I. Using Group "A" materials d) Stepped Fan Regulator	8	520.00	Each	4160.00
14 51/38	Supplying and replacing ceiling fan regulator 900mm to 1500mm	10	140.00	No	1400.00

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15 51/36	Rewinding a...mm ceiling fan/after using necessary gauge annealed and insulated copper wire with necessary insulating, separators vibration arresting shellac, etc including replacement of bearings if any transportation to and from the spot to workshop inclusive of releasing the refixing. c) 1200MM	15	630.00	Each	9450.00
16 47/26	Supply of 1x19x1000mm self adhesive PVC insulated steel grip tape roll.	25	15.00	No	375.00
17 54/62	Supplying and fixing Cordless calling bell suitable to operate on 230V 50 Hz AC/3V DC Supply, Cordless remote bell push with 2x1.5V DC Batteris and completely wired. a) Group A	10	650.00	Each	6500.00
18 54/61	Supplying and fixing 6 Amps capacity 4 way universal shutter type spike buster suitable to operate on 230V 50 Hz AC supply a) Group A	15	780.00	Each	11700.00
19 83/6	Supplying installation testing and commissioning of heavy duty compresser suitable for window/split type A/C. c) 2 ton capacity	1	11400.00	Each	11400.00
20 83/7	Supply and fixing of condensing coil for Split Air Conditioners. c) 2 ton capacity	2	6750.00	Each	13500.00
21 84/8	Supplying and fixing capacitor's (of approved make) for window/ split air conditioners b) 80 to 200 mfd Starting capacitor	4	300.00	Each	1200.00
22 84/9	Supplying & fixing relay for over load protection for window and split air conditioners.	4	260.00	Each	1040.00
23 84/10	Supplying and fixing the fan motor for blowers and condenser of 1/5 HP, single shaft/double shaft suitable for split/ window air conditioners.	2	3165.00	Each	6330.00
24 84/11	Supplying & filling refrigerent (F-22/F/12) for air conditioning equipments. Which includes the labour & Nitrogen gas for pressure and leak testing.	35	810.00	P/Kg	28350.00
25 84/13	Supplying and fixing electro mechanical/Pneumatic time switches including Vat.	2	960.00	Each	1920.00
26 86/22	Supply, installation of 5/8" and 7/8" Hard drawn refrigerant pipe and insulation suitable for 11 TR ductable split Air-Conditioner.	10	1600.00	P/Mtr	16000.00
	Part B:- Improvement Work				
1 3/8	Point wiring using copper wire with switch: Supplying and wiring adopting loop system in existing PVC Conduit/casing caping using Copper PVC insulated multi strand 2x1.5sqmm copper wire with a 6 Amps flush type SP Control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. Complete for each outlet. I Point wiring using class A Materials				
	a) Short point upto 3Mtr from tapping point to out let via switch	20	175.00	Each	3500.00
	b) Medium point above 3Mtr upto 6Mtr from Tapping point to out let via switch	35	260.00	Each	9100.00
2 10/24	Supplying and fixing of PVC casing and capping on the wall or celiling using necessary materials like bends, screws at an interval of 300mm... etc as required.,b) 25mm dia	150	41.00	mtr	6150.00
	c) 32mm dia	300	45.00	mtr	13500.00

9/..	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and Copper conductor single core cabe in open or consealed system of wiring.				
	I Group A Materials.				
	b) 1.5 sqmm	700	15.00	Mtr	10500.00
	c) 2.5 sqmm	1500	25.00	Mtr	37500.00
4 10/22	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches regulators etc., and fixing on existing wooden or metal box using N.F.Screws.	12000	0.22	Sqcm	2640.00
5 16/3	Supply patty type fluorescent tube light fitting of 4'-36/40 watts fluorescent tube fitting, made out of M.S sheet and stove enameled with low loss open construction copper wound ferromagnetic ballast, starter, locking type brass contact holders mounted on double fold type sheet base fully wired for use on230 Volts A C Supply including 1No 4'-36/40 Watts fluorescent tube. a) Group ' A' I 1x4'-36/40Watts	15	400.00	Each	6000.00
6 29/7	Fixing all types and all capacities fluorescent/false ceiling /spot light/CFL fitting indoor on the wall/ceiling /rafters/girders using 23/0.0076`` twin twisted PVC insulated wires, required nos of round blocks and clamps (if required) a) On wall/ceiling/Rafter/Girders	15	105.00	Each	1575.00
7 23/23	Supplying capacitor type ceiling fan complete with dawn rod blades, shackle, canopies etc., for operation on 230 Volts, 50 Cycles, Single Phase AC Supply conforming to ISS-374-1979 and with double ball bearing system. 1 48" Sweep (120 mm) a) Regular model (Khaitan, Crompton Greaves, Orient, Polar, Bajaj, Usha, Havells, Almonard)	5	1800.00	Each	9000.00
8 29/9	Fixing a ceiling/wall mounting fan of all capacities and all types with necessary clamps and S hook made out of 15mm dia MS rod, with 5 amps ceiling rose of approved quality with necessary length of 23/0.0076 inch PVC insulated twin twisted wire of approved quality with regulator mounted on a suitable size wooden board and wired complete.	15	210.00	Each	3150.00
9 50/34	Supplying and fixing / replacing 6/16/32 Amps Electrical Accessories on existing Switch Board a) Group A a) 6 amps SP switch	15	31.00	No	465.00
	e) 6 Amps bakelite Ceiling rose	30	34.00	No	1020.00
	i) 16 Amps Switch	6	80.00	No	480.00
	j) 16 Amps 3 way 5 pin Socket	6	84.00	No	504.00
	f) 6 Amps lamps holder	20	38.00	No	760.00
10 8/18	Supplying and fixing of modular switch/Scocket/stepped electronic fan regulator/dimmer/telephone socket etc on existing modular switch plate Using Group "C" materials				
	d) Stepped Fan Regulator	16	390.00	Each	6240.00
11 6/12	Supplying 6A flush/projected type socket and a 6 amps flush/ projected type SP switch either surface/flush mounting in a existing gang box or in a 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required.b) 6Amps 3/5 Way	35	106.00	Each	3710.00
12 7/15	Supplying and surface/flush mounting unbreakable PVC modular box suitable for mounting modular switch plates. The box should be firmly/surface/flush mounted after due groove cutting in Brick/C.C wall, fixing including necessary rawl plugs, Machine/ NF screwes etc., complete d) 10-12Way	25	190.00	Each	4750.00

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13 36/12	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required.				
	E) 5-32 Amps TPN 1) Group 'A'	2	1005.00	Each	2010.00
	C) 5-32 Amps DP 1) Group 'A'	8	510.00	Each	4080.00
14	Missalaneous				429.92
	TOTAL				**350000.00**

CERTIFICATE :-

1. The place was inspected and the work is essential.
2. The provision made in the estimate are adequate and necessary and the work comes in the BBMP limit and is legitimate Charges on the BBMP funds.
3. The estimate is based on KPWD (Ele) S.R.2010-11 Rates.and Lowest Quotation rates

Jr. Engineer (Elecl) /Asst Eng

Asst. Executive Engineer (Elecl)
Dasarahalli Zone

4612

EXECUTIVE ENGINEER (ELECL)
Dasarahalli Zone, BBMP

A/S

ನಂ. JC(DH) AS 711/12-13 ದಿನಾಂಕ : 18/02/13
ರೂ. 03.50 Lakhs (Rupees Three Lakhs fifty thousand only)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

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ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗ-

ಸಂಖ್ಯೆ. ಬೃ.ಬೆಂ.ಮ.ಪಾ : ದಾ.ವ : ತಾಂತ್ರಿಕ : 30/ 2012 - 2013
ದಿನಾಂಕ: 20/2/2013 ಅಯಾಯ ಪಟ್ಟಿಯನ್ನು ರೂ. 3.50 ಲಕ್ಷಗಳ
ಅಕ್ಷರಗಳಲ್ಲಿ ಮೂರು ಲಕ್ಷದ ಐವತ್ತು ಸಾವಿರ ರೂಪಾಯಿಗಳಿಗೆ
ಗಳಿಗೆ ಮಾತ್ರ 2010 - 2011 ನೇ ಸಾಲಿನ ದರಗಳ ಪಟ್ಟಿಯಂತೆ ತಾಂತ್ರಿಕ
ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

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ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ದಾ. ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು-57.